



The Development of Combat Power and Efficiency

Vol. 25, No. 17 – Friday, Aug. 31, 2001 – Brooks AFB, Texas

Through the Many Facets of Aerospace Medicine

SGLI extends to family

By Staff Sgt. A.J. Bosker
Air Force Print News

WASHINGTON— The Service-members' Group Life Insurance will be extended to provide coverage to family members beginning Nov. 1.

The government has always had an excellent estate program to protect family members in case of a servicemember's death, said Maj. Jeffrey T. Keef, chief of Air Force military estate and special pays policy at the Pentagon. However, little has been available to provide the military member financial protection in the event of a family member's death.

Under the new provisions, spouses and children will be automatically covered if the military member is an SGLI participant, Keef said. The member will have the option to decline spouse coverage if submitted in writing.

The maximum automatic coverage is \$100,000 for a member's spouse, and any lesser amount must be evenly divisible by \$10,000, Keef said. The amount of coverage of a member's spouse cannot exceed the amount of coverage of the insuring member. Premiums for spouse coverage will be charged based upon spouse's age and will range from 9 cents to 55 cents per \$1,000 of coverage.

For example, \$100,000 of coverage could be obtained on a spouse younger than 35 for \$9 per month.

There is also a policy conversion option for the insured spouse after loss of eligibility for SGLI, he said.

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Air Force Live Photo by SSgt. John Jung

Air Force Live
Channel One reporter Seth Doane, left, gets a briefing from Lt. Col. Paul Fisher, Air Force Research Laboratory, on what to expect, prior to his ride in Brooks' centrifuge during Channel One's recent visit to Brooks. The production crew focused on the centrifuge and the Advanced Spatial Disorientation Demonstrator while filming a series that will air in Sept. to more than 13,000 schools throughout the U.S.

Channel One tunes in on Brooks to help students, AF recruiting

By Rudy Purificato
311th Human Systems Wing

A Los Angeles-based Channel One television production crew 'took a few rides on the wild side' at Brooks recently during a five-city tour to gather videotape footage for a national broadcast that ultimately will help the Air Force in its recruiting efforts.

The centrifuge and the Advanced Spatial Disorientation Demonstrator were the focus of the crew's coverage here that is part of a program series called "Coast to Coast" that will air Sept. 19. in junior and senior high schools throughout America.

"Our audience is 8.5 million middle school and high school students and teachers who subscribe to Channel One. We're in 13,000 schools throughout the U.S.," said reporter Seth Doane who took 'memorable' rides in both the centrifuge and the ASDD. Doane was part of a three-person production crew that included producer Tami Hale and cameraman Brian Miller.

"Our executive producer Jim Morris came up with the idea for the series about a year ago. We wanted to showcase the different missions of Air Force bases," said Hale, a University of Kansas broadcast journalism gradu-

“ Our audience is 8.5 million middle school and high school students and teachers who subscribe to Channel One. We're in 13,000 schools throughout the U.S. ”

Seth Doane
Channel One reporter

ate who has been a Channel One producer for the past three seasons.

Channel One is a highly respected station that reports breaking news worldwide ranging from last year's series of school shootings to this year's series of shark attacks.

Channel One's parent company, Prime Media, also owns several specialty publications including Seventeen and Modern Bride magazines.

"We have a hard news format. We try to cover the news of the day in a style that is interesting to our audience," Doane said. Featuring an innovative MTV-like style that relies on unusual camera angles and interview

close-ups, Channel One's shows focus on stories from a perspective that its audience can relate to. Doane explains, "When we cover wars, we talk to 17-year-old soldiers. During our coverage of Alaska's National Wildlife Refuge, we interviewed (young) Eskimos on how they felt about oil companies (possibly) drilling there."

Each 12-minute show in the "Coast to Coast" series will be entirely produced in the field in each city, Hale said.

To enhance the show's flavor, Channel One's crew will fly in a different Air Force aircraft in each of the five cities they visit.

This crew will return to the Alamo City on Sept. 18 to broadcast their San Antonio segment "live to tape" from Randolph AFB and McCollum High School, the latter a Channel One subscriber. The following morning, the program will be fed via satellite to schools throughout the country.

San Antonio was the crew's first stop on their coast-to-coast tour of Air Force bases. Besides Brooks, they also visited Randolph AFB; Hurlburt Field, Fla.; Fairchild AFB, Wash.; and Peterson and Schriever AFBs, Colo.

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The **Discovery** is online.
Go to <http://www.brooks.af.mil/HSW/PA/discovery>.

Promising skies ahead

From my perch, as I wrap-up my final tour, I see promising skies ahead for our Air Force...and it's because of you and your efforts.

Despite tight budgets, you've arrested a stubborn four-year readiness decline. You've made our transition to an Expeditionary Aerospace Force work, enhancing stability in the lives of Air Force members everywhere. Your direct feedback helped win Congressional support for many of our retention initiatives and the reestablishment of a full-benefit retirement system. Your voices have been heard and answered with across the board pay raises and targeted bonuses. You have made the personal choices to continue serving our nation, ensuring we're ready to protect America's interests around the world. Your choices, your efforts, your dedication, your sacrifices continue to build the premier aerospace power this world has ever known. My family and I have been proud to serve with you.

As General Jumper assumes the office, he brings the deepest commitment to continued improvements in capability and quality of life for all our people. Together, he and Secretary Roche will provide superb leadership for America's Air Force in the years ahead.

Thank you for your selfless service...it's the reason no one comes close!



Air Force Chief of Staff Gen. Michael Ryan

Wanted: People with character

By Chief Master Sgt. Randy Brown

347th Rescue Wing command chief master sergeant

MOODY AIR FORCE BASE, Ga. (ACCNS) — A noncommissioned officer was directing the repairs of a military building during the American Revolution. He barked orders to the soldiers under his command, trying to get them to raise a heavy wooden beam.

As the men struggled to lift the beam into place, a man who was passing by stopped to ask the one in charge why he wasn't helping the men. With all the pomp of an emperor, the soldier responded, "Sir, I am the corporal."

"You are, are you?" replied the stranger. Taking off his hat and bowing, he said, "I ask your pardon, Corporal." The stranger walked over and strained with the soldiers to lift the heavy beam.

After the job was finished he turned and said, "Mr. Corporal, when you have another such job, and not enough men, send for your commander in chief, and I will come and help you a second time."

The corporal was thunderstruck. The man was Gen. George Washington. Washington understood character got things done.

In my 25 years in the Air Force, the leaders who have impressed me the most are the ones who came out to see me in my work section and were interested enough to talk awhile or even pitch in if needed.

The ones who didn't impress me were the ones who called me in their office to ask what I had done or the ones who I never saw.

Far too often, you can get trapped into the supervisor's or manager's role as a leader and lose perspective on what your troops are trying to accomplish.

Like the corporal, you want to succeed in the mission, but fail to see what our airmen need to get the job done. It's critical we all get out to see our airmen. I remember another example from Dover Air Force Base, Del.

I was working a fuel transfer problem and was awaiting a fuel pump relay to be delivered to the aircraft from the supply squadron.

As I was sitting in the crew compartment of a C-5 Galaxy, a voice from behind asked if needed anything.

Without looking, I said, "Sure, if you can get my

part to me any quicker, that would help."

The deputy commander for maintenance keyed his radio and asked for the status of the part. I slowly turned my head to see if it was really the colonel - it was.

He smiled and said, "Senior Airman Brown, when the part shows up, can I help you install it?" I said, "Yes sir" without the slightest hesitation.

The colonel did help when the relay arrived, and I learned a lot from the DCM that day. He had

character and earned a great deal of respect from his airmen, but character has far more to it than seeing or helping your troops.

Character is who you are. It's having moral fiber, a certain temperament, a certain personality ... a spirit.

As leaders, we all want to have a great character. Another person of great character was a fantastic lady named Eleanor Roosevelt.

In a 1964 speech given at the first anniversary luncheon of the Eleanor Roosevelt Memorial Foundation by

then-first lady, Lady Bird Johnson said, "All of us are familiar with people who are the partisans of departed virtue, but are afraid to defend an unpopular truth today."

She never stood with this timid company. Her conscience was her counselor, and she followed its commands with unfaltering courage. Nor did she really understand what people meant when they praised her for taking so many risks.

She would have taken the greatest risk of all if she had remained silent in the presence of wrong. She would have risked the integrity of her soul. Do you remember what Dr. Samuel Johnson said about courage?

"Unless a man has that virtue, he has no security for preserving any other."

Roosevelt knew what those words meant. She lived their meaning every day of her life. Courage sustained by compassion - that was the watchword of her entire career.

Take a look at yourself and ask, "Do I see these traits in me?"

Today's Air Force is looking for people with a lot of character. One of the very first things I look at when I observe people is their character.

It's not necessarily the work they do from day-to-day on the job, but what their character is like.



SGLI

Continued from Page 1

Children will be covered automatically for \$10,000, and no premiums will be charged, Keef said. In cases where both parents are eligible participants, the child may not be insured by more than one member.

In the event of a family member's death, any insurance in effect will be paid to the insuring member. If the member passes away before payment can be made, the amount will go to those named as the beneficiaries.

"The Air Force sees this as a good deal for its members," Keef said. "By allowing members who have elected coverage only under SGLI to opt for family member coverage, we are putting them on equal ground with civilians who might obtain family coverage as a rider to their master civilian life insurance policies," he explained. "This relieves our members from having to seek out more than one provider in order to acquire coverage for the entire family."

Military personnel flights can expect detailed implementing instructions in September.



Photo by Tech. Sgt. Pedro Ybanez

USAFSAM change of command

Brig. Gen Lloyd Dodd, 311th Human Systems Wing commander, left, accepts the guidon from Col. Rodger Vanderbeek during the U.S. Air Force School of Aerospace Medicine's change of command ceremony Aug. 29 at Hangar 9 while incoming commander, Col. Tom Travis stands at attention. Vanderbeek will remain at Brooks until January, when he plans to retire.



Team briefs AEF changes

By Master Sgt. Terry Somerville

Air Combat Command Public Affairs

Coming soon to a big room near you: everything you want or need to know about Aerospace Expeditionary Force deployments.

Briefing teams from the AEF Center will visit Air Force bases in the United States and overseas, including Air Force Reserve and Air National Guard units.

They'll spread the word on improvements in AEF Cycle 3, answer questions, and get ideas from Air Force people on improvements to the AEF process.

Each base will hold one or more mass briefings in a location like a base theater.

The two- or three-person briefing teams will also be available to talk to smaller groups, like wing or group staff meetings or squadron get-togethers.

The Brooks community will receive their briefing at the Wing Stand-Up Sept. 11.

"Not everyone knows what they need to know about the AEF," said Maj. Michael Knight, a space-operations specialist in the AEF Center.

For instance, AEF Cycle 3, which begins in March 2002, will feature a 'team' concept, where

a base will provide a large number of people for one or two AEF deployments, instead of small groups of people throughout the cycle. That will change the impact that AEF deployments have on individual bases and units.

"EAF Online" provides position-specific information for deploying people, like "What will my duties be?" and "What training and equipment do I need?" The Web site lets commanders track the readiness status of all their people.

EAF Online can be accessed from computers with dot-mil and dot-gov domains at:

<https://aefcenter.acc.af.mil/>.

"There's no such thing as an AEFologist," Urie said.

"What we have here (in the AEF Center) is a representation of the Air Force — people who cover just about every area of expertise."

The briefers invite questions from bases before they get there so they can tailor presentations for each base.

Each base has a person scheduling a team who can pass questions on to the briefing team.

The briefings are open to everyone, but unit commanders will know best who needs to receive the latest word on the AEF process.



Photo by Staff Sgt. Sabrina Johnson

Brig. Gen. Lloyd Dodd, 311th Human Systems Wing commander, displays the Air Force Outstanding Unit Award recently presented by Aeronautical Systems Center commander Lt. Gen. Richard Reynolds, left. Dodd accepted the award on behalf of the 11 base organizations that contributed.

Retiree appreciation day

Brooks holds its third annual Retiree Appreciation Day Sept. 21 in Hangar 9 from 8 a.m.-2 p.m. Retiree Appreciation Day is an opportunity to honor the retired military members in the local area for their dedication and contributions to the country.

The event is intended to be a reminder of the Brooks mission and the numerous services available to the retiree community.

This year Brooks joins the national POW/MIA Remembrance Day Sept. 21. The commemoration begins with the laying of a wreath at the flagpole at reveille and will continue with a formal table ceremony, in conjunction with the Retiree Appreciation Day in Hangar 9 at 9 a.m.

A special lunch is available at the Brooks Club for all attendees from noon to 1 p.m.

For more information, contact 2nd Lt. Brian Batson at 536-6977 or retired Chief Master Sgt. Fred Dickinson in the Brooks Retiree Activities Office, at 536-2116.

Brooks Air Force Ball

The 54th Air Force Anniversary Ball is Sept. 14 at the Brooks Club. Social hour begins at 6 p.m. and dinner at 7 p.m. Mess dress, semi-formal, or after-5 attire for civilians, is appropriate.

Tickets prices range from \$10-\$28, based on rank or grade, and are available through unit first sergeants.

Call Staff Sgt. Angela Anderson at 536-2635 or Senior Airman Agnes Bradt at 536-3745 for details.

Chapel offers photos

The Brooks community has an opportunity to update personal and family photos in time for the holidays.

The base chapel is launching a pictorial directory through Olan Mills Photographers Sept. 11-12.

There is no sitting fee or obligation to purchase, and the Olan Mills Video Image Proofing System allows you to view your proofs following the sitting.

Everyone who participates receives a free 8 X 10 inch photo and a directory.

Appointments are available from 3 -9:30 p.m. both days on a first-come, first-served basis.

The entire process takes approximately one hour.

NEWS briefs

Workgroup manager meeting

The Brooks Workgroup Managers quarterly meeting is scheduled for Sept. 5 from 2-3:30 p.m. in Bldg. 538. Contact Master Sgt. John Rodriguez at 536-1937 for more information, and RSVP attendance to john.rodriguez@brooks.af.mil.

Hispanic Heritage Month volunteers

The Brooks Community celebrates Hispanic Heritage Month each year from Sept. 15-Oct. 15. The committee needs volunteers to help make this occasion successful.

Many events have been planned but the workload is great and the workers are few.

Contact Lt. Col. Rosa Mancha for more information at 536-3374.

Mentor volunteers

Brooks supports schools and organizations in the surrounding area with mentors for their students. About 70 mentor volunteers are needed to be role models, friends, advisers and sometimes tutors to local school-age children. Most of the schools are approximately 5 - 10 minutes from base.

Volunteers must be able to commit at least one hour per week during school hours for the entire school year. The program assigns one student to each volunteer and is open to both military and civilian participants.

The mentorship program kicks off with an required orientation for all mentors. This training is required by the San Antonio Independent School District and you must attend orientation before going to the schools.

The next orientation is scheduled for 9 a.m.-10 a.m., Sept. 7 in Bldg. 532, in conference room 154. If you have questions, call Rita Lassiter at 536-5677.

Brooks Toastmasters

Toastmasters is an international organization formed in 1924 to aid in effective communication, practicing public speaking in a relaxed environment.

Toastmasters meets here each Wed. at 11:30 a.m.

Contact Rick Young at 536-4464 or Capt. Juan Ubiera at 536-1953 for more information.

AFOSI investigation

The British Ministry of Defence Police and the Air Force Office of Special Investigation are conducting an investigation into a company that rents vehicles to U.S. and other authorized personnel in and around the Royal Air Force Lakenheath, Alconbury and Mildenhall areas.

Allegations are that this company may have charged for damage to rental vehicles, which did not occur, and that U.S. personnel may have been deceived into paying other fraudulent charges. This scheme was disguised so that those defrauded may not know they paid unnecessary or unlawful fees.

To establish if you have been subjected to fraud by this company, contact your local AFOSI unit so they may collect information.

CGOC events

Fisher House (Lackland AFB)

Volunteers are needed to purchase and prepare a dinner for family members of ill or injured patients at Wilford Hall Medical Center, Sept. 6.

For information, contact Capt. David Koles at 536-2322, or e-mail him at David.Koles@brooks.af.mil.

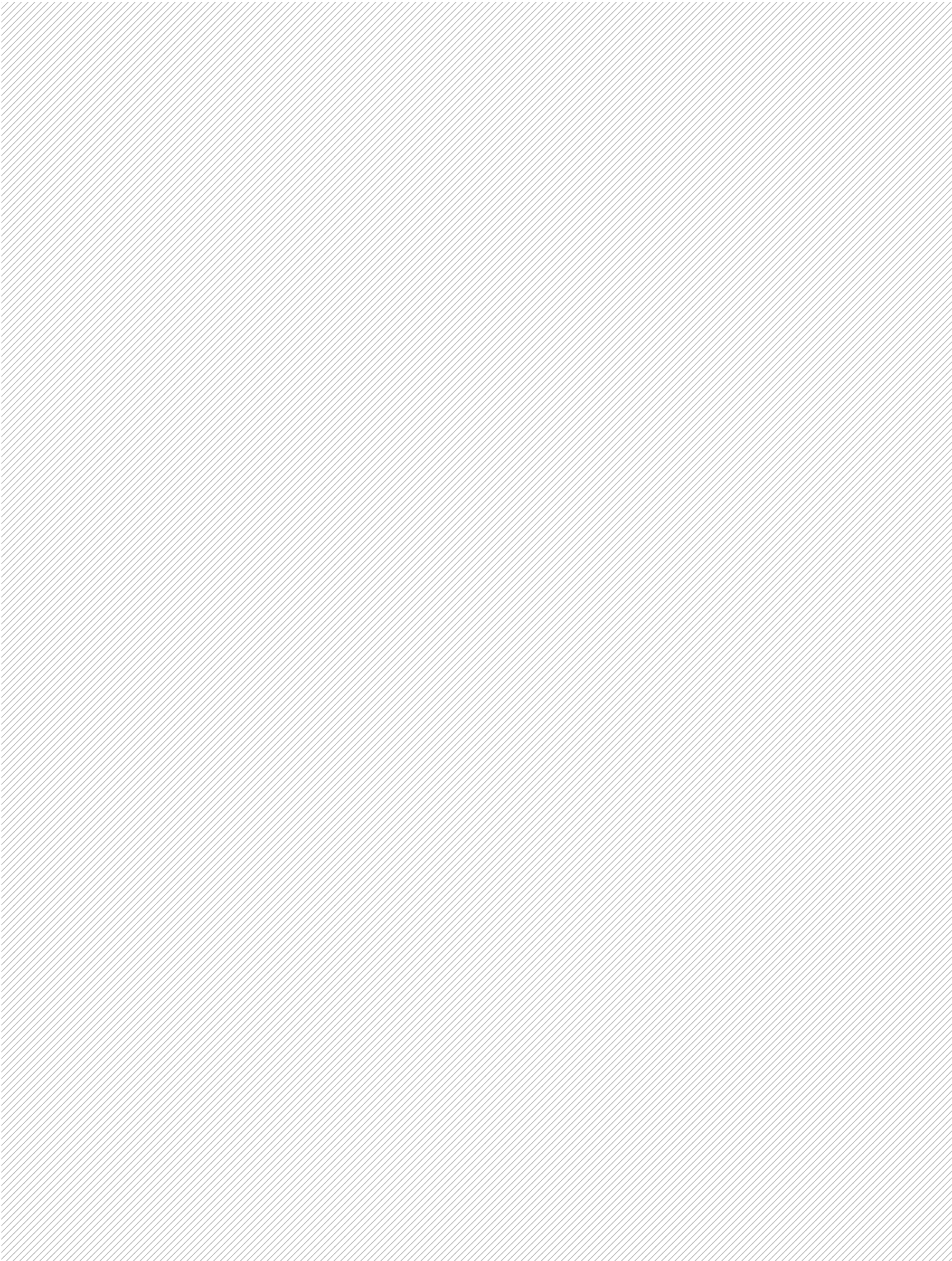
Brooks Ambulance Service

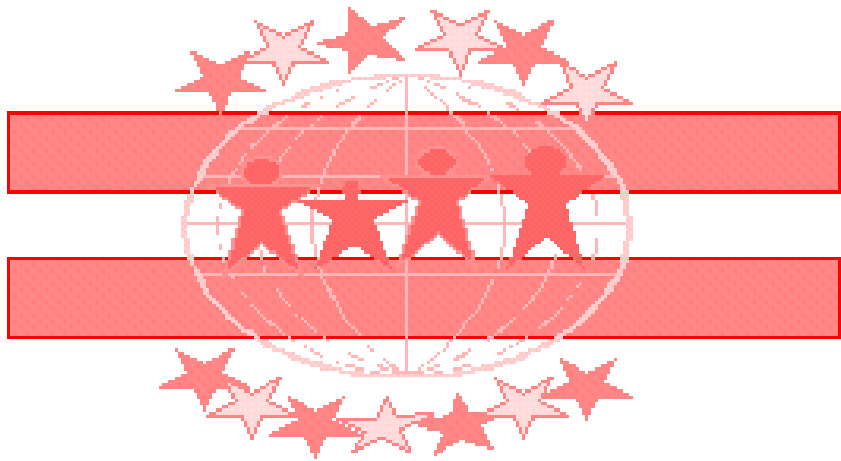
The 311th Medical Squadron's ambulance service is closing. Beginning Oct. 1 the City of San Antonio Emergency Medical Services will provide ambulance coverage for Brooks and will bill the patient's insurance. An insurance company may not pay for ambulance service if it determines the condition was not an emergency.

An emergency condition is a sudden and unexpected medical condition or worsening of a condition that threatens life, limb or sight and requires immediate treatment.

Dormitory residents should contact their supervisor, first sergeant or commander for transportation aid that doesn't warrant ambulance transport.

If you have questions about TRICARE ambulance coverage call the TRICARE Service Center at 800-406-2832.





Brooks Family Support Center activities

Call 536-2444 for information

Separation and retirement briefing

8 a.m.- noon, Sept. 5, Bldg. 538 —

Preparing to separate or retire? Need more information to make an informed decision? Then you and your spouse should make plans to attend this briefing. Various base agencies will discuss services and benefits available to you and your family during this time of transition.

Job fair preparation workshop,

9 a.m. - 11 a.m., Sept. 7, Bldg. 538 —

If you are planning to attend the San Antonio Military Community Job Fair Sept. 26, find out what to expect and what to bring. Learn about major job fair errors, tips for an effective resume, dressing for success, the five-minute interview, employer information, post job fair follow-up, and more.

Sponsor training

10 a.m.- 11 a.m., Sept. 10, Bldg. 538 —

In accordance with AFI 36-3011, sponsor training is mandatory of all first-time sponsors and those who have not sponsored in the past year. However, others are welcome to attend. Learn about tools and resources available for sponsors.

Resume Workshop

9 a.m.- noon, Sept. 11, Bldg. 538 —

Learn the different resume styles and how to write and use them effectively to open career opportunities; learn the do's and don'ts of resume development; and as an added bonus, learn how to develop impressive cover and thank you letters.

Investment Series

Sept. 12, 19, 26, Bldg. 538 —

This investment series prepares the beginning investor: basic investment terms, fundamental investment principles, what mutual funds are, how mutual funds operate, how to start investing in a mutual fund, different types of stocks and bonds, types of IRA's, and other aspects of investing.

Sept. 12, 9 a.m.-noon Mutual Funds
Sept. 19, 11 a.m.-noon Stocks and Bonds
Sept. 26, 11 a.m.-1p.m. IRA Seminar

San Antonio Military Community Job Fair

9:30 a.m. - 3 p.m., Sept. 26, Live Oak Civic Center

Employers will be recruiting for all types of jobs. Whether you are seeking employment now or gathering information for future career decisions, make this job fair a part of your transition/job search strategy. The Job Fair is open to all Department of Defense military, active duty and retired, civilian personnel, and family members. A list of employers is available at www.taonline.com.

Is a PCS move in your future?

The Relocation Assistance Program in the Family Support Center needs your help. Due to temporary technical difficulties, we are currently unable to access accurate PCS information on outbound personnel.

If a PCS move is in your future, please call 536-2444 or email lou.ann.beauchamp@brooks.af.mil and give your name, rank and gaining installation. We'll put together a binder of information about your new base and community, pay and entitlements, shipping your belongings and filing claims, financial planning for relocation, a countdown checklist for accomplishing the tasks required before you move. We can send the binder to you through base distribution or you can make arrangements to pick it up at our office.

We'll appreciate your help, and we think you'll be glad, too.

ACTION LINE

536-2222



Brig. Gen. Lloyd
Dodd

311th Human Systems
Wing commander

The COMMANDER'S ACTION LINE is your opportunity to make Brooks a better place to live, work and play.

If you have a suggestion for improvement, a complaint or a problem that you have not been able to resolve through normal complaint channels or the chain of command, call the COMMANDER'S ACTION LINE, 536-2222.

Only items of general interest will be published, so please leave your name and number for a personal response.

The base agencies listed below can be contacted directly:

311th Security Forces Squadron.....	536-3310
SFS after duty hours.....	536-2851
311th Civil Engineer Squadron.....	536-3861
311th Communications Squadron.....	536-6571
311th Air Base Group Logistics Division.....	536-3541
Safety.....	536-2111
Housing Maintenance.....	536-7000
Housing Office.....	536-1840
311th Services Division.....	536-2545
311th Medical Squadron (Clinic).....	536-4715
Military Personnel.....	536-1845
Civilian Personnel.....	536-3353
Military Pay.....	536-1851
Civilian Pay.....	536-2823
I.G. (FWA).....	536-2358
Military Equal Opportunity.....	536-2584
EEO Complaints.....	536-3702
Base Exchange.....	533-9161
Commissary.....	536-3549
Brooks City Base Project Office.....	536-6626

Water outages in housing



When the base is going to shut off water in the housing areas why aren't we notified, or did I just not receive the notification?



I certainly understand the inconvenience of having the water shut off. Normally, word of impending work in the housing areas goes out by e-mail several days before the events. In this case, though, the contractor planned on turning off the water on the street next to yours and only when actually starting the work discovered your street also had to be impacted.

We very much regret the inconvenience and will try to minimize future similar occurrences.

Bussing from Brooks



I have a suggestion for improvement.
I was wondering if we could get the VIA 550 "Looper", the bus that goes around to Lackland and different bases, to help with commuting from Brooks? The DoD has a new program called the Transportation Incentive Program Application, and having the Looper come on base would help students who don't have a vehicle visit other bases.



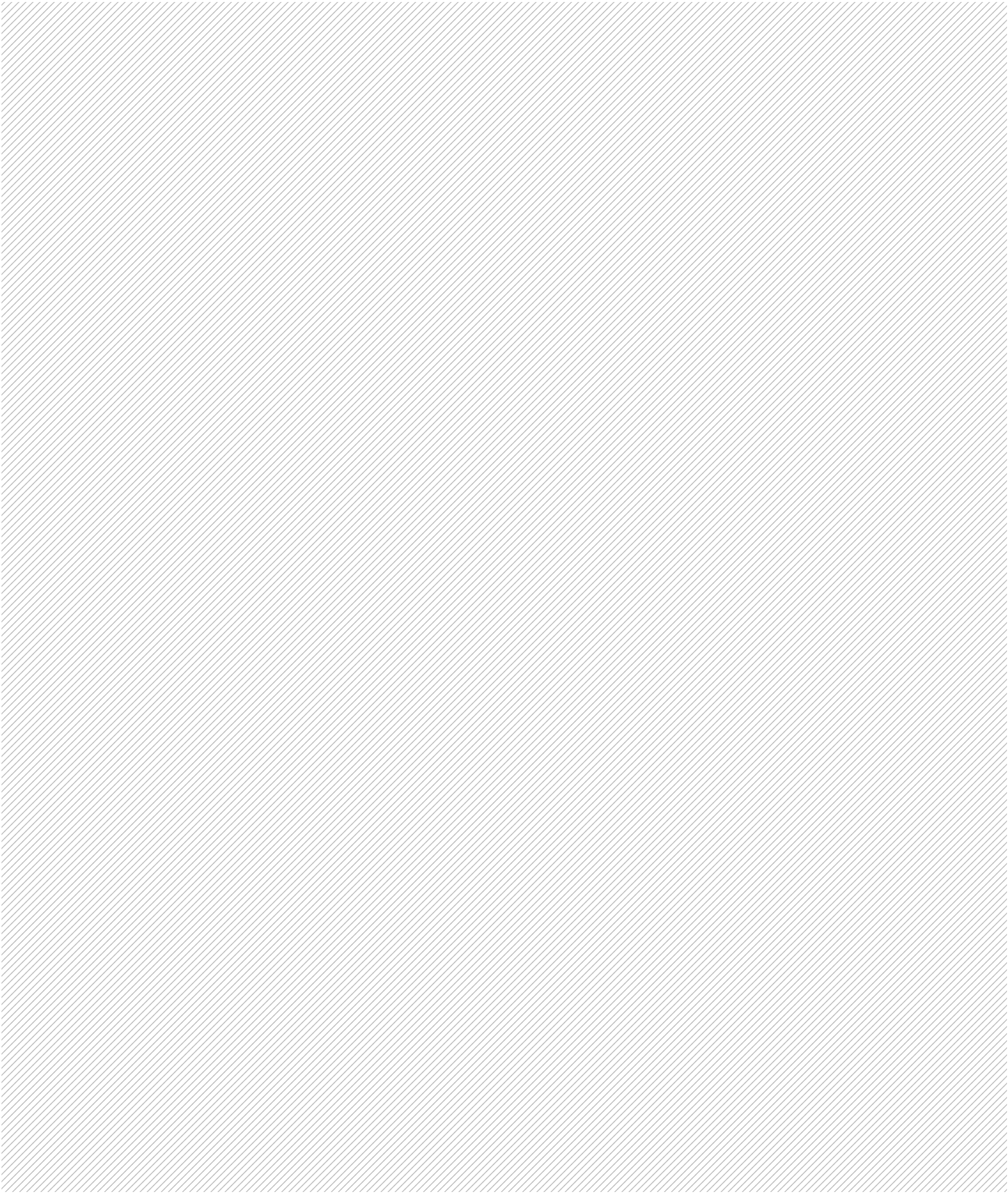
The Logistics Division contacted VIA to ask if the Looper busses could come on base, and VIA did not wish to do so. It currently takes three hours for the busses to complete their route, and VIA is looking at ways to reduce this time.

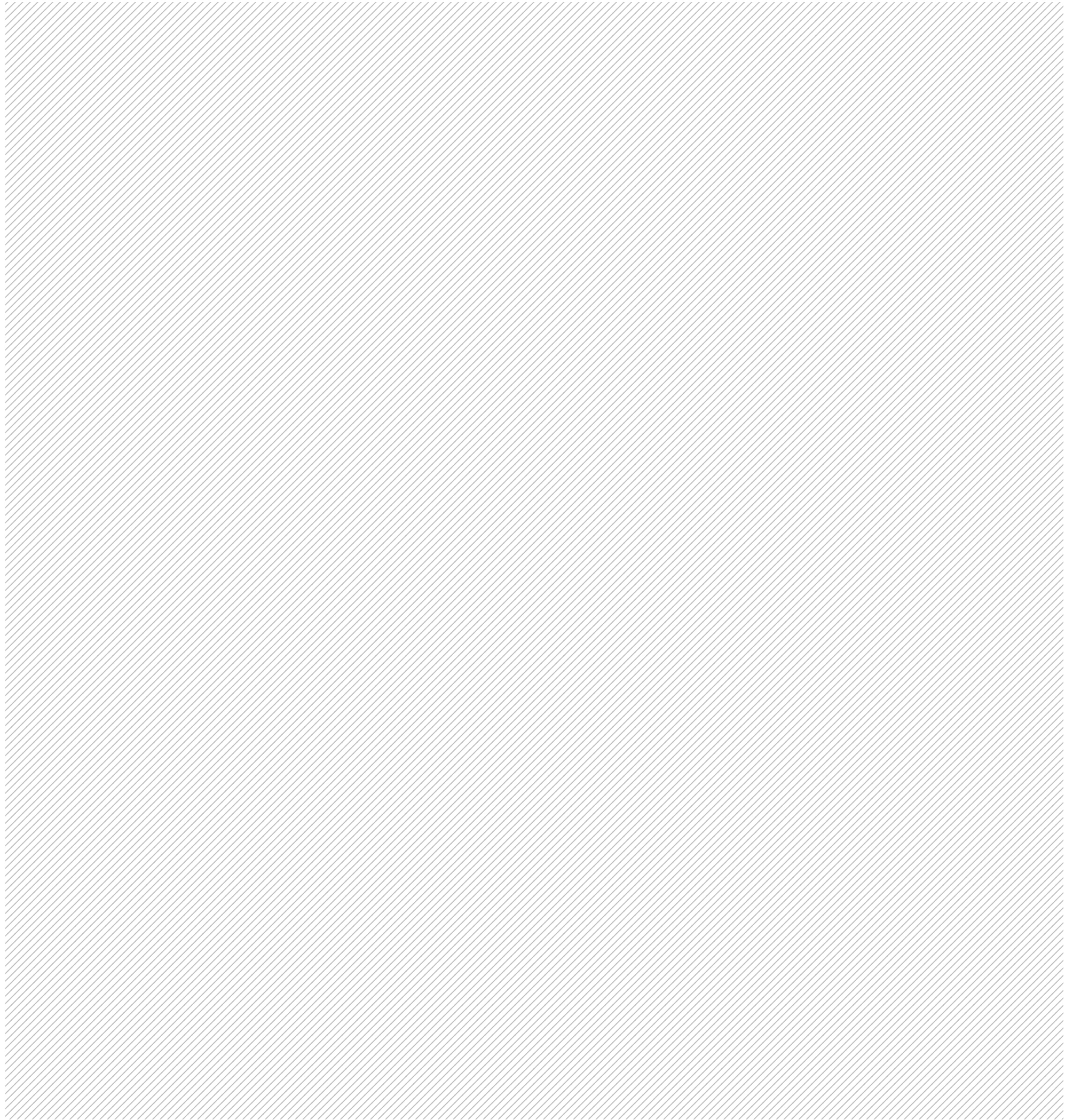
Passengers can ride on two routes that do run on Brooks (VIA 34 and VIA 512) and transfer to the Looper bus, which runs along Southwest Military Highway.

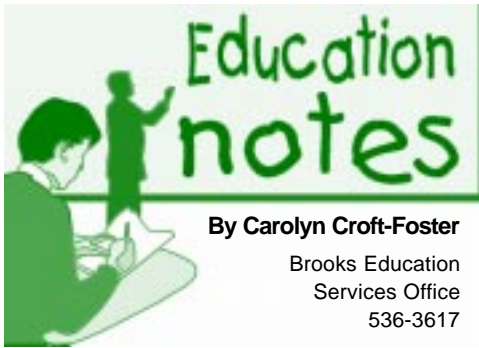
The military personnel flight is staffing the Transportation Incentive Program and will publicize the program procedures as soon as staffing is completed.

The point of contact for the bus route is John Ashjian, who can be reached at 536-3541. Second Lt. Brian Batson can be reached at 536-6977 for questions regarding the Transportation Incentive Program.

You asked a very good question though. Thanks for the call.







Optional increase to MGIB

Public Law 106-419, Veterans Benefits and Health Care Improvement Act of 2000, provides active duty personnel, currently enrolled in the Montgomery GI Bill the opportunity to increase Chapter 30 GI Bill benefits by \$5,400 for a maximum contribution of \$600. Contributions can be started and stopped at any time while the participant is on active duty. This benefit can be used while on active duty or after retirement or separation with an honorable discharge for training received after May 1, 2001. Visit the VA website at: <http://www.gibill.va.gov/>.

SOAR applications due

The Scholarships for Outstanding Airman to ROTC offers active-duty enlisted personnel the opportunity to earn a commission while completing their bachelor's degree as an Air Force ROTC cadet. Those selected separate, join an Air Force ROTC detachment and become a full-time college student. The Air Force provides them with a tuition/fees scholarship of up to \$15,000 per year, an annual textbook allowance of \$510, and a monthly non-taxable stipend of \$200-\$400. This scholarship will be awarded for two to four years, depending on how many years you have remaining in your bachelor's degree program. Airmen with some or no college credit may apply for the program. A limited number of SOAR selects will be offered a scholarship with no tuition cap. The deadline for applications is Oct 1. For more information, call 536-3617 to schedule an appointment.

VEAP conversion to MGIB

Servicemembers who have VEAP accounts are eligible to convert to the Montgomery GI Bill. Education Services

is contacting members whose names appear on our list. If you believe you are eligible and have not been contacted, please contact Education Services in Bldg. 570-C. Call 536-3617 for more information or to schedule a conversion briefing.

Officer Training School

Enlisted members who have completed a bachelor's degree or are within 270 days of completion are eligible to apply to OTS. The next deadline for applications is Oct. 2. For more information, call 536-3617.

VA benefits

Personnel who would like information on VA benefits or would like to speak with an Education case manager about VA education may call the Department of Veterans Affairs Regional Office at 1-888-442-4551, visit their website at:<http://www.va.gov/education>, or stop by the local VA field office. VA information is also available on the Brooks Home Page and at the Customer Service Desk at the Brooks Education and Training Flight in Bldg. 570-C.



DeLuca praises AFOPPO during last Brooks visit

By Rudy Purificato
311th Human Systems Wing

The man whose vision and commitment to establishing the Air Force Outreach Program Office at Brooks praised the organization's small business advocacy contributions during his last visit here prior to his retirement Sept. 1.

Anthony DeLuca, Air Force Director of Small and Disadvantaged Business Utilization, visited Brooks Aug. 15 in conjunction with the Small Business Industry Day co-sponsored by the San Antonio Business Opportunity Council and the South San Antonio Chamber of Commerce, where he was the keynote speaker.

His visit here capped an 11-year tour as the Air Force's chief small business advocate who in 1998 persuaded then acting Air Force Secretary F. Whitten Peters to create and locate here the AFOPPO, the only organization of its kind dedicated to small business outreach within the Department of Defense.

AFOPPO has exceeded the former Air Force Secretary's expectations as the service's executive agent for small business outreach. DeLuca said, "When we created AFOPPO we included a sunset clause that if it hadn't met its goals in five years we'd do away with it. They've done so well that within

three years we've made it a permanent part of the Air Force."

DeLuca attributes much of AFOPPO's success to its leaders: director Col. Eddie Mims and his deputy Renee Wesley. He said their worldwide outreach initiatives have helped effect positive change within the Air Force small business community. Among the many initiatives DeLuca credited AFOPPO with is its commitment to training small business specialists and its continuous efforts supporting the federal Historically Underutilized Business Zone program.

AFOPPO owes its existence to the 55-year-old Bronx, N.Y., native who in January 1990 became the civilian director of Small Disadvantaged Business Utilization, a position whose responsibilities include providing Air Force oversight of the Small and Minority Business Program and the Historically Black Colleges, Universities and Minority Institutions Program.

"When I became director, I learned that Air Force small business offices had (previously) acted independently. We brought them together and gave them a purpose and goals," DeLuca explained.

Using the AFOPPO as a conduit for effecting change, DeLuca's organization built teamwork within a system that includes 153 Air Force small business specialists who work closely with contracting offices and

procurement and acquisition professionals. DeLuca said, "Our continuous improvement has been based on people who own the process."

The process involves, in part, advocacy in helping small businesses qualify and successfully compete for federal contracts. Small business advocacy has grown significantly during DeLuca's tenure as director. The 'outreach message' has persuaded decision-makers to rely more on small businesses for goods and services, particularly at the sub-contractor level.

"As a result of this effort, we've seen job growth and a rekindled spirit that has helped restore human dignity," DeLuca said, referring to revitalization within minority-owned small businesses, especially women-owned and Native American-owned businesses.

"Last year, the Air Force obligated \$31 billion in federal contracts. Of this, \$5 billion went to small business, with \$600 million awarded to women-owned businesses. It was a banner year," DeLuca noted.

"Without a doubt, this job has been the most satisfying that I've had in my Air Force career. What's made it so gratifying is that we focused on our commitment to the success of each other," DeLuca said.

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SPO's 'Circle of Life' the alpha-omega of warfighter support

By Rudy Purificato
311th Human Systems Wing

If Orville and Wilbur Wright were alive today, they would probably admit that their aviation shortcomings were comparable to an ancient Greek fable about a monarch's accoutrements when measured against what their successors in the 311th Human Systems Program Office have provided to Air Force flyers through the "Circle of Life."

Wearing neither helmet nor any other life support equipment, the Wright Brothers couldn't sustain themselves for very long in the air, just like Aesop's main character in "The Emperor's New Clothes" couldn't sustain his illusion that he

was dressed yet truly naked.

The "Circle of Life" message is a vigorous, on-going attempt by an organization to educate warfighters and Air Force



Warr

leaders that without the SPO's continuing support on their behalf, they too would be 'literally naked' in their aircraft without life sustaining accoutrements.

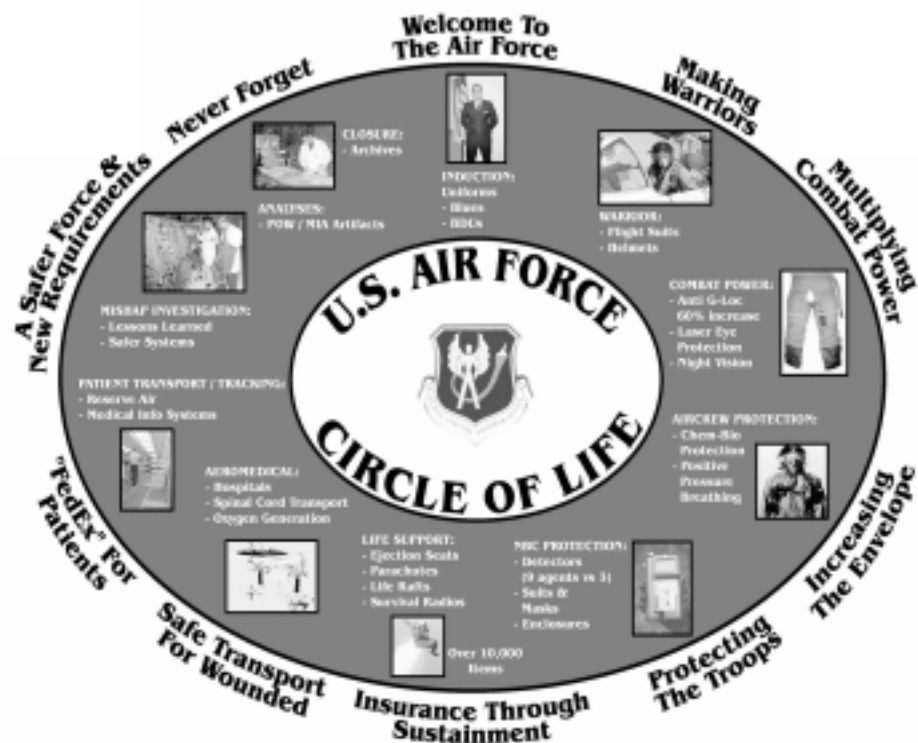
It's a message that SPO director Col. Dartanian "Doc" Warr is so passionate about that he has created a showcase presentation that is as dynamic and dramatic as any Hollywood action-hero film.

"I developed my original idea for the 'Circle of Life' when I became SPO director in August 1999. When I arrived here I wanted to get a handle on the separate organizations within my command that did not seem to fit together," Warr recalls.

He inherited such units as the Life Sciences Lab, Materials Lab, Air Force Clothing Office, Theater Medical Support Team and other organizations involved in a variety of sustainment missions. He also sensed that collectively these various

organizations didn't feel they were part of a team.

Warr quickly realized, however, that his organization functioned as a continuous life cycle of sustainment to Air Force warfighters. Except for the airframe, everything aircrews need to fulfill their missions and survive has its beginning and end within the SPO.



"We're responsible for more than 10,000 items," Warr said in describing the SPO's commitment to developing, testing, modifying and fielding personnel equipment and systems.

Such items are quite diverse. They range from flight suits, battle dress uniforms, boots and gloves that Warr categorized as the "first step in the cycle," to life support and survival equipment including helmets, G-suits, laser eye protection spectacles, NBC protective gear, survival vests, ejection seats, chemical detectors, parachutes, life rafts and survival radios.

Besides the variety of Air Force equipment and systems that have their genesis within the SPO, Warr's team also provides other services as well.

Toward the end of the "Circle of Life" are the contributions of the SPO's aircraft investigation team, and the Life Sciences Equipment Lab who bring closure to families of MIAs from Southeast Asia through analysis of artifacts recovered from crash sites.

Lessons learned from these investigations brings renewal to the "Circle of Life" through modifications to equipment and systems that further enhance the safety, perfor-

mance and survivability of the SPO's many customers.

"The Circle of Life" is portrayed through a step-by-step story in images and text that outlines the many contributions the SPO makes in supporting Air Force missions and requirements.

The storyboard formed the basis for Warr's showcase presentation and has evolved into a plethora of marketing tools ranging from posters and fliers to PowerPoint slides and computer screensavers.

Warr premiered the "Circle of Life" earlier this year. "It's helped revive our organization," Warr said with the enthusiasm of a Sunday morning preacher. He added, "Our ultimate goal was to get our message out."

“When I arrived here I wanted to get a handle on the separate organizations within my command that did not seem to fit together.”

Col. Dartanian "Doc" Warr
311th Human Systems Program Office commander



SPO aids Singapore Air Force with new life support ensemble

By Rudy Purificato
311th Human Systems Wing

The Singapore Air Force certainly believes in the 311th Human Systems Program Office slogan "We do more for Singapore" now that their fighter pilots are wearing new life support ensembles thanks to their friends at Brooks.

"They hired us to update their F-5 aircrew life support ensemble. They needed a better life preserver after they experienced a fatality following an F-5 crash over water in the 1990s," said 1st Lt. Mike Wyman, SPO program manager for the F-22 life support integration program and fixed aircrew seat standardization program.

Replacing the previously existing life support system was of paramount importance to the Singapore Air Force because their F-5 fleet primarily flies island defense missions over water.

An independent country since 1965, Singapore is smaller than Rhode Island and is located at the tip of the Malay peninsula between Malaysia and Indonesia.

A SPO team was tasked with testing and evaluating a new pilot life support ensemble, which included a survival vest/life preserver, as part of the F-5 Aircraft Airworthiness Qualification Program launched here in 1999.

"They (Singapore Air Force) came up with a new design they wanted us to evaluate and test that addressed safety and operational suitability issues. Some of their changes included prepositioning the survival knife, radio and strobe (beacon) light on the new life preserver/vest," Wyman explained.

Over a period of one year, the SPO team worked with the U.S. Navy and San Antonio-based Vista Technologies to conduct a series of tests that led to a modified, but operationally suitable and effective pilot life support system.

Tests were conducted at various sites, including G-force centrifuge tests here and cockpit integration tests in a T-38 at Randolph Air Force Base and in an F-5 in Singapore.

Other test sites included the Patuxent River Naval Air Station,



Courtesy photo

A volunteer tester is dragged across the water by his "parachute" to evaluate a life preserver. The equipment is tested for survivability, comfort, effectiveness and usefulness.

Md., where windblast and ejection tower testing was conducted, and tests at Edwards AFB, Calif. involving man-ejection seat separation, parachute evaluation and survival analysis.

"We conducted eight survival tests that included land and water jumps and land and water drags," Wyman said, adding, "Test parachutists were hooked behind a boat and dragged through the water. They tested the life preserver/vest to determine whether it could be disengaged from parachute risers. We also hooked parachutists behind a truck during the land drag tests."

Wyman also served as a volunteer tester, giving added meaning to early aviation's motto "flying by the seat of your pants." Serving as a "test dummy," Wyman participated in two harrowing man-seat separation tests.

"I was strapped into an ejection seat wearing the life support ensemble," he said. "The plan was to hoist the seat up to the hangar ceiling, then drop me three feet. The seat was supposed to fall away from me while I was suspended by para-

chute risers attached to a crane. However, the safety belt did not disengage."

As a consequence, Wyman hung in mid-air with a 200-pound ejection seat strapped to his back. He was uninjured in this test and in a second failed test that followed.

Wyman said the tests were important in identifying design flaws that were corrected. Critical to their evaluation of the new life support equipment was pilot protection during egress and recovery.

Wyman said, "If a person doesn't separate from an ejection seat the parachute won't be automatically deployed, and even if it were manually deployed it would become en-

tangled with the seat. Either way the pilot will not survive the ejection."

He also noted that the land and water drag tests were particularly significant because if aircrew members can't disengage from their parachutes forces on land or in the water can lead to injury or death.

Wyman said, "It was gratifying for the (SPO) team to know that we helped improve the capability and survival of allied warfighters."

Besides Wyman, the SPO team included lead engineer Chuck Flick, Senior Master Sgt. Randy Epperly, Master Sgt. James Craft, Al Gonzalez, Anna Jimenez, Jim Rooney, Bill Pelham, Theresa Diaz, Yolanda Hohmann and Capt. Va'shon Moore.



Courtesy photo

Researchers conduct tests on the integration of a deployed life preserver and canopy release (yellow buckle).



Detects within
10-30 seconds
nerve, blister, blood
chemical agents

Joint Chemical Agent Detector

By Rudy Purificato
311th Human Systems Wing

It's not as small as a Palm Pilot, but its diminutive size and capability to detect various known chemical warfare agents will someday bolster American military personnel's chances for survival thanks to the developmental work of the 311th Human Systems Program Office.

Inaugurated three years ago as the Joint Chemical Agent Detector program, SPO specialists are helping

facilitate its development as a Department of Defense multi-service state-of-the-art device.

"Specifically, it can detect within 10-30 seconds nerve, blister and blood chemical agents. It's also capable of detecting low-level vapor concentrations of chemical agents prior to the onset of miosis, the pinpointing of the pupil," said Maj. Jeff Owen, JCAD program manager.

Owen explained that JCAD's

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By Rudy Purificato
311th Human Systems Wing

"Sink or swim" is not an option for 311th Human Systems Program Office specialists whose preemptive actions to maintain Air Force aircrew recovery survivability has been made through a one-man life raft "recall."

SPO workers identified a significant design problem in Vacuum Packed Life Rafts, used on various Air Force aircraft worldwide, that has led to a major recall of several thousand units.

The Air Force will spend \$1.17 million to replace these rafts with non-vacuum packed versions.

"So far, we've replaced 2,500 of them. There are another 1,200 in service that will be replaced," said Martin Briseno, SPO first-line supervisor for Crew Systems Sustainment Branch's Survival and Special Equipment Section.

A problem with the rafts' oral inflation tubes was substantiated through a SPO-sponsored sustaining engineer review launched last year to determine whether the units met Air Force specifications, Briseno explained.

Dayton T. Brown, an independent New York-based laboratory hired to conduct the quality control evaluation of the rafts, discovered that oral inflation tubes separated from the rafts during deployment.

"A sample of eight rafts with different ages and applications were used during the investigation. Eight out of eight failed. The inflation assembly completely failed on one craft. Five of the

Life raft 'recall' helps preserve lives

remaining seven had similar failures. The oral inflation valve separated from the raft causing a hole the size of a 50-cent piece. This gapping hole led to the raft deflating," Briseno said.

He explained that VPLRs are designed to automatically inflate when the Advanced Concept Ejection Seat (ACES II) is deployed.

"Sometimes the rafts don't inflate completely, requiring an aircrew member to orally inflate it," he noted. Further investigation determined that the vacuum packing process and age contributed to the problem. Non-vacuum packed rafts, also used on a variety of Air Force aircraft, do not have this deficiency.

"We're (SPO) responsible for the fielding of (Air Force) life support items and maintaining their safety and reliability. We do this through updates to technical orders and functional checks for our customers," said Briseno, whose recommendations led to the raft recall.

Inflatable life rafts integrated with pilots' parachute harnesses have been stan-

dard equipment aboard Air Force aircraft since 1939. The original rubber rafts were replaced by technologically advanced versions featuring lightweight nylon that could be easily packed inside the ACES II.

Briseno said vacuum-packed technology was introduced in 1988 to eliminate the recurring requirement to inspect and repack life rafts.

By 1999, about 6,000 VPLRs had been fielded as part of ACES II's egress and recovery system. This system is primarily used in Air Force combat aircraft including the F-15, F-16, F-22, A-10, B-1B and B-2.

"We've been lucky in that we haven't had an aircraft mishap over water that required this raft," Briseno

said, referring to the period prior to and during the investigation. "When the lab confirmed the problem, we asked some users to conduct a functional check by manually inflating the rafts."

A lot more deficiencies were found, he said.

Prior to the recall, the SPO tried to mitigate the problem by developing a plan to repair the deficient rafts. However,

"We're (SPO) responsible for the fielding of (Air Force) life support items and maintaining their safety and reliability."

Martin Briseno

311th Human Systems Program Office

the SPO's Flotation Equipment Team determined that these deficiencies could not be corrected through field or depot level repairs or modifications.

Once emergency funding was secured to replace these rafts, Briseno's team prioritized customers who would receive replacement rafts based on risk. Single engine fighters with frequent over-water missions received first priority. By September 2000, all priority one units had received replacement rafts.

Priority two and three units had received replacements by April 2001.

Briseno credits senior Air Force leaders for their quick response in approving emergency funding to correct a major safety problem.

As for the SPO's contribution, it's in keeping with their life support motto of "providing our crewmembers the safest and most reliable equipment to give them a last chance for survival."



Courtesy photo

Continued from Page 12

capability as an early warning device is significant in preventing military personnel from experiencing miosis, a physiologically debilitating condition in which a person's depth perception is severely compromised.

More importantly, the device's reliability in detecting multiple chemical concentration levels and its adaptability to various military applications makes it far superior to anything currently being used today.

"It can be used on most military platforms, from aircraft and ships to ground vehicles," said JCAD lead engineer Charles Laljer, a MITRE contractor supporting the SPO. He said JCAD can also be easily carried on individual personnel or be used at fixed site locations.

Owen and Laljer said today's assortment of chemical detectors are bulky, susceptible to false alarms and are labor intensive. None of them, they said, are sensitive enough to provide detection and warning of low dose hazards associated with miosis contamination in a small unit.

JCAD uses Surface Acoustic Wave technology to respond selectively to chemical warfare agent vapors. It was designed to operate within the world's most challenging climates and environments.

This hand-held device weighs less than two pounds and can operate continuously for up to 12 hours. It can be re-programmed to meet future chemical threats and provides operators with local and remote audible and visual alarms when chemicals are detected.

JCAD already has undergone two critical design reviews, and is scheduled for joint service testing in 2002. Initial JCAD production is scheduled to begin in 2003.

"The original DOD requirement is for 270,000 units at a cost of \$2,010 per unit," Owen noted.

The Air Force, Navy and Marine Corps will receive JCAD units, with the bulk of the devices earmarked for the Army.

JCAD's multiple capabilities are also significant in that future applications may involve chemical detection resulting from terrorist activity. Laljer said it might someday be used to detect toxic industrial chemicals and is likely to be employed by the local fire department.

The Joint Chemical Agent Detector can fit in the palm of your hand.



Courtesy photo



Courtesy photo

First Lt. Paul Escobedo uses a "Care in the Air" airborne configuration in the cargo bay of a C-141. The same components listed in the photo below are "rack mounted" into a case that provides power and electromagnetic interference shielding.

'Care in the Air'

Telemedicine advances global military patient care

By Rudy Purificato

311th Human Systems Wing

The dawn of a new era in global military patient care is emerging as the 311th Human Systems Program Office works to help develop and transition a portable communications system that is an electronic equivalent of having continual bedside medical attention.

Called "Care in the Air," or CITA, the program was launched by the Air Force Surgeon General in August 1998 to be an integral part of the Theater Medical Information Program, said 1st Lt. Paul Escobedo, the SPO's former Joint Medical Operations - Telemedicine program manager.

He said the impetus for developing a communications system to track military patients from point of incapacitation to recovery resulted from a Joint Chiefs of Staff mandate based on lessons learned during the Persian Gulf War.

"Difficulties in managing UHF satellite communications resources during the Gulf War highlighted the critical need to improve UHF voice interoperability and capacity," Escobedo said.

“ We were given \$1.1 million to design, test and demonstrate a communications system. We did it with half the budget and in a third of the time. ”

1st Lt. Paul Escobedo

Former Joint Medical Operations - Telemedicine program manager

To address these issues, the Joint Chiefs of Staff directed all services and agencies using DoD [Department of Defense] ultra high frequency satellite communication to improve capabilities.

Additionally, the services' incompatible communications systems limited their capability to share patient information to all caregivers. As a consequence, commanders couldn't track the medical progress of their personnel.

The CITA system had to be designed to allow Air Expeditionary personnel to communicate clinical and operational information between the cargo bay of an AE platform and ground-based medical and operational staff.

Such a system had to be independent of any cockpit communications equipment, could not interfere with flight crew operations and would not require any aircraft modifications.

The SPO met the challenge by developing, testing and demonstrating an effective medical communica-

tions system that can be used by all services.

"We were given \$1.1 million to design, test and demonstrate a communications system. We did it with half the budget and in a third of the time," Escobedo said.

The system the SPO team successfully developed is operable on the C-130, C-17, C-5, C-141 and the C-9C (a modified C-9A Nightingale).

"It's a government-off-the shelf system," said Jesse Griffin, the JMO-T program technical lead who is a Karta Technologies systems analyst. Griffin said both airborne and ground terminals feature a UHF satellite communications radio and a ruggedized laptop computer. The

system provides both secure voice and data communications.

As part of a Pacific Command-sponsored Advanced Concept Technology Demonstration, the system was first tested using a tactical e-mail capability in June 1999 on a C-141 at Mountain Home Air Force Base, Idaho. It has been subsequently tested at several major military exercises in Hawaii, Thailand and Japan.

Last month, the system underwent an interim military utility assessment during a joint service exercise in Washington State.

Griffin said, "The Air Force is exploring transitioning the system by the second quarter of 2002 and is scheduled to be fielded in Pacific Command by 2003."

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From left, the AN/PSC-5 SATCOM radio, ruggedized laptop and Micro-INTERNET Controller components make up the telemedicine ground system when coupled with a UHF antenna.





Brooks athletes excel at National Youth Games

By Rudy Purificato
311th Human Systems Wing

Brooks and San Antonio athletes improved their chances of advancing to the national finals during the National Youth Games sectional held here Aug. 18.

“We don’t know yet who will advance to the finals in Orlando, Fla., until our scores are compared with others from sectionals throughout the U.S.,” explained Larry Flores, Brooks Youth Sports director.

Brooks hosted the sectional for the first time, however, teams from other cities that had planned to compete here pulled out of the competition at the last minute.

Flores said he was disappointed that athletes from other youth organizations did not participate, but said that he was committed to hosting the sectional nonetheless to give local athletes a chance to earn a trip to the national finals. Last year, three local athletes won medals in soccer at the national finals held in Hawaii.

The top three athletes from earlier local competition in soccer, swimming and basketball advanced to the sectional. Youngsters, ages 8 through 13, competed in soccer, swimming and basketball events.

Soccer participants had to try to score while sep-



Photo by Rudy Purificato

Larry Flores, right, presents George Hernandez with the gold medal for finishing first in swimming.

arately dribbling three soccer balls from different positions near a goalie-less goal. Swimmers performed timed freestyle sprints covering 25 yards. Basketball players had only one minute to score as many field goals as possible from seven positions on the court.

Defending National Youth Games soccer silver

Brooks Club Bldg. 204, 536-3782 Preferred Plus!Program

Brooks Consolidated Club System is giving away a variety of prizes to our members over the next two months. Each month we will conduct drawings for one year of free dues and \$100 Services gift certificates. Various Services facilities will give away prizes to Preferred Plus! members at surprise times throughout the month. All completed entries are eligible for local prizes and will be entered into a command-wide drawing in November for the grand-prize give away of \$15,000.

Football frenzy

Air Force club members have the opportunity to win a trip to a regular season NFL game, the Pro Bowl in Honolulu and a trip for four to Disney World or Disneyland. Football fans can watch the games and enter to win prizes at



Brooks Services Marketing Office
536-5475

Sidney’s or the Brooks Club. Both clubs offer other Frenzy events where club members can win more prizes.

Only club members in good standing are eligible to win.

Outdoor Recreation

Bldg. 1154, 536-2881

The Base Swimming Pool is open through Sept. 29. After Sept. 4 the pool is open for

medalist Chris Johns and bronze medalist Traci Ortiz, both of San Antonio, did not compete in the sectional. Flores said he was told one was sick and the other had an injury.

Youth Games Sectional results:

Soccer

8-9 boys: George Hernandez, 1st

8-9 girls: Samantha Rubio, 1st ;Naomi Rubio, 2nd

10-11 boys: Jonathan Grasc, 1st; Michael Frey, 2nd; Benjamin Rubio, 3rd

10-11 girls: Mariah Sigler, 1st; Tina Rose Cavazos, 2nd

12-13 boys: Ryan Forrest, 1st

Swimming

8-9 boys: George Hernandez, 1st

8-9 girls: Naomi Rubio, 1st; Samantha Rubio, 2nd

10-11 boys: Jonathan Grasc, 1st; Michael Frey, 2nd; Benjamin Rubio, 3rd

10-11 girls: Mariah Sigler, 1st

12-13 boys: Ryan Forrest, 1st; Michael Demmer, 2nd

Basketball

8-9 boys: George Hernandez, 1st; Jalen Edwards, 2nd

8-9 girls: Samantha Rubio, 1st; Naomi Rubio, 2nd

10-11 boys: Michael Frey, 1st; Beau Rodriguez, 2nd; Jordan Edwards, 3rd

10-11 girls: Tina Rose Cavazos, 1st; Mariah Sigler, 2nd

12-13 boys: Adam Rehfield, 1st; Stephen Trevino, 2nd; Robbie Walter, 3rd

12-13 girls: Erica Perez, 1st

adult lap swimming from 11 a.m.-1 p.m., open swimming from 1-7 p.m. Monday through Friday and 1-6 p.m. weekends.

Pool passes are \$10 each and the daily user fee is \$1.50.

Call Outdoor Recreation or the pool at 536-3744 for more details.

Golf Course

Bldg. 821, 536-2636

The Golf Course Club Championship is Sept. 29-30, with a Low Gross and Low Net format.

Cost is \$25 per day and includes green and cart fees.

Prizes will be determined by number of participants.

No handicap? Sign-up today and be ready for future tournaments. You still have time to post enough scores for the golf championship. Ask for more information in the Pro Shop.

Don’t forget — snacks are available from Sidney’s from 1-6 p.m. Monday through Friday, and lunch specials are offered daily at the golf course.